

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 400V, 1 internal 7Ah smart modular battery string, expandable to 2, Start-up 5x8

GVSUPS20KB2HS

### Overview

**Presentation** Highly efficient, easy-to-deploy 20kW, 400V 3-phase UPS that brings best-in-class power protection and low total cost of ownership to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. Includes 5x8 start-up service and 1 smart modular battery string, expandable to 2 strings for extended runtime.

**Lead time** Usually Ships within 2 Weeks

### Main

**Main Input Voltage** 400 V 3 phase

**Other Input Voltage** 380 V  
415 V

**Main Output Voltage** 400 V 3 phase

**Other Output Voltage** 380 V  
415 V

**Kw Rating** 20 kW

**Rated power in VA** 20 kVA

**Battery Type** Internal modular battery  
VRLA

**Provided equipment** Battery modules ship installed  
Dust filter  
EcoStruxure IT ready (UPS)  
Installation guide  
Integrated network management  
Power modules ship installed  
Start-Up Service

**Range of Product** Galaxy VS

**Range Compatibility** Galaxy VS

### Batteries & Runtime

**Efficiency** [View Efficiency Graph](#)

**Battery Voltage** 480V

**End of Discharge Battery Voltage** 384 V DC

**End of Discharge Maximum Battery Current** 54 A

**Battery power in VAH** 0 VAh runtime

**Extendable Run Time** 0

### General

**Bypass Voltage Tolerance** +/- 10 %

Redundant	No
Product or Component Type	Uninterruptible power supply (UPS)

## Physical

color	White
Height	58.5 in (148.5 cm)
Width	13.1 in (33.3 cm)
Depth	33.3 in (84.7 cm)
Net Weight	540.1 lb(US) (245 kg)
USB compatible	No

## Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 5-wire (3PH + N + G)
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	36 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 3% for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating
Input Power Factor at Full Load	0.99

## Output

Max Configurable Power (Watts)	20 kW
Harmonic distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	20 kVA

## Conformance

Product Certifications	UL 1778 5th edition
Standards	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 IEC 60721-4-2 Level 2M2

## Environmental

<b>Ambient Air Temperature for Operation</b>	32...104 °F (0...40 °C)
<b>Relative Humidity</b>	0...95 % non-condensing
<b>Operating altitude</b>	0...3281 ft
<b>Ambient Air Temperature for Storage</b>	5...104 °F (-15...40 °C)
<b>Storage Relative Humidity</b>	0...95 % non-condensing
<b>Storage altitude</b>	0...10000 ft (0.0000000000...3048.0000000000 m)
<b>acoustic level</b>	65 dBA
<b>Online Thermal Dissipation</b>	2454 Btu/h
<b>IP degree of protection</b>	IP20

## Communications & Management

<b>Free slots</b>	1
<b>Control panel</b>	Touch Screen LCD User Interface

## Ordering and shipping details

<b>GTIN</b>	731304406723
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## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	66.5 in (169 cm)
<b>Package 1 Width</b>	39.0 in (99 cm)
<b>Package 1 Length</b>	25.2 in (64 cm)
<b>Package 1 Weight</b>	595.2 lb(US) (270 kg)

## Contractual warranty

<b>Warranty</b>	1 year on-site repair or replace with factory authorized Start-Up
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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Energy Efficient Take-back Transparency RoHS/REACH

### Resource performance

Energy Efficient Product

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Take-Back Program Available

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### Well-being performance

Mercury Free

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Rohs Exemption Information Yes

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### Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

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**Eu Rohs Directive** Compliant with Exemptions

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**China Rohs Regulation** [China RoHS declaration](#)

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**Environmental Disclosure** [Product Environmental Profile](#)

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**Circularity Profile** [End of Life Information](#)

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Image of product / Alternate images

Alternative

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